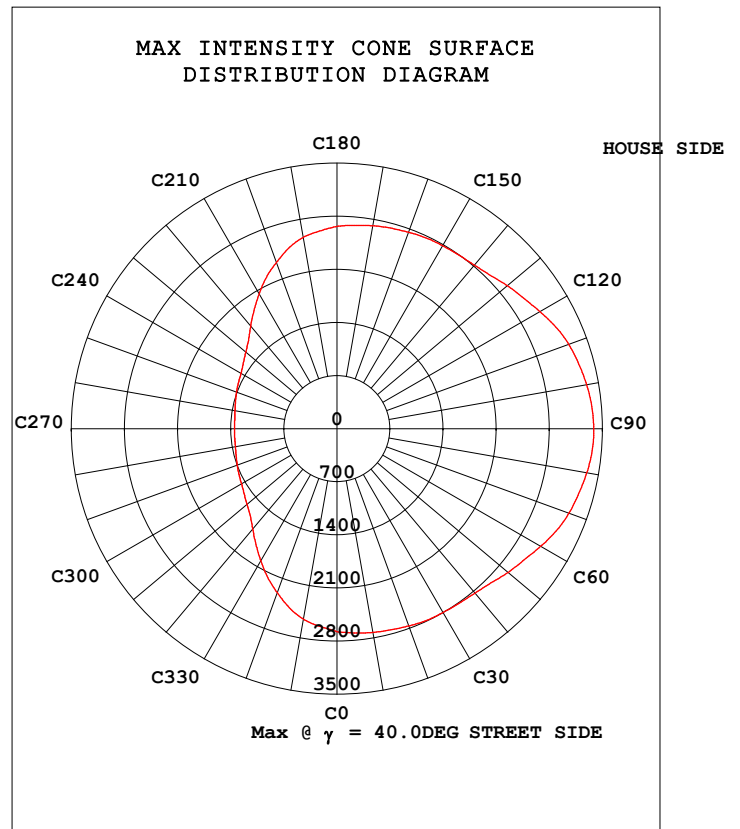
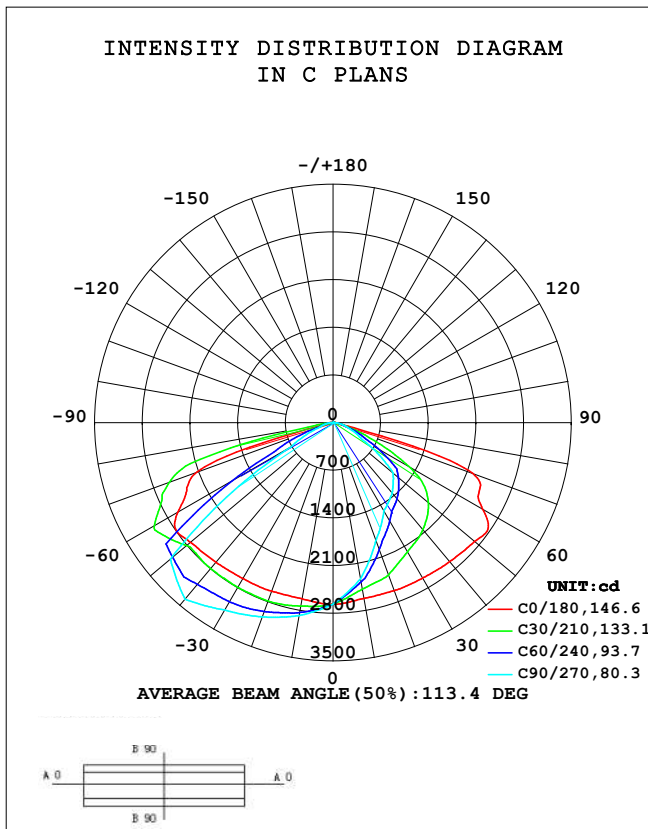


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.2806A P:60.77W PF:0.9808 Lamp Flux:9205.1x1 lm					
NAME: OPCITYIII-60W-4070-6C1T3M-0612			TYPE:LED		WEIGHT:
SPEC.:			DIM.: 0.44X0.195X0.04		SERIAL No.:1
MFR.: LUXSUN			SUR.:0.16X0.12		Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.48 lm/W			
MODEL	LED	Imax (cd)	3384	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	60	LOR (%)	100.0	$\eta$ street_down (%)	51.0
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	9205	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	9205.1	MAXIMUM @ (C, $\gamma$ )	90, 40.0	$\eta$ house_down (%)	49.0
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	17.707



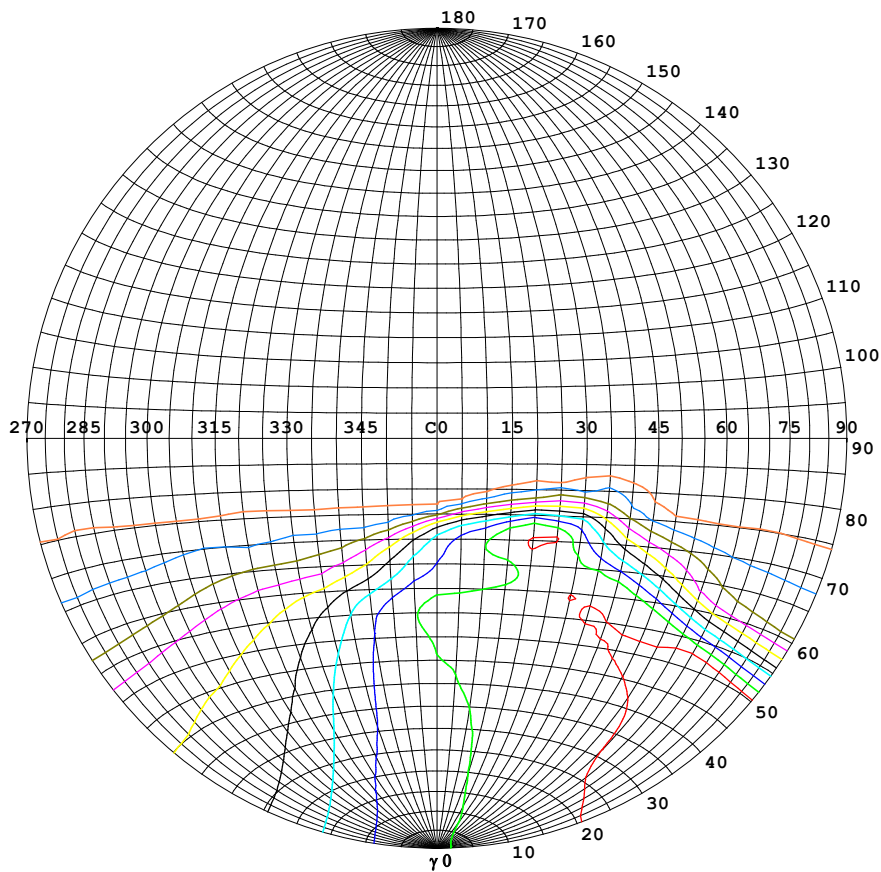
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

Note: SLI: Specific Luminaire Index

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.2806A P:60.77W PF:0.9808 Lamp Flux:9205.1x1 lm		
NAME: OPCITYIII-60W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



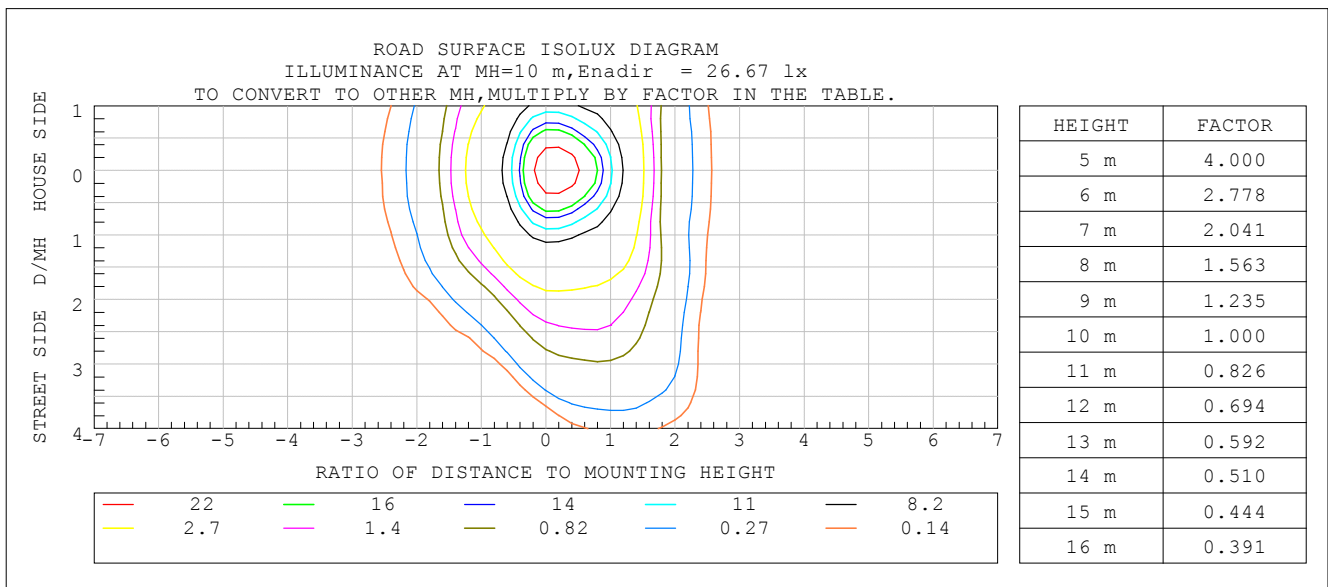
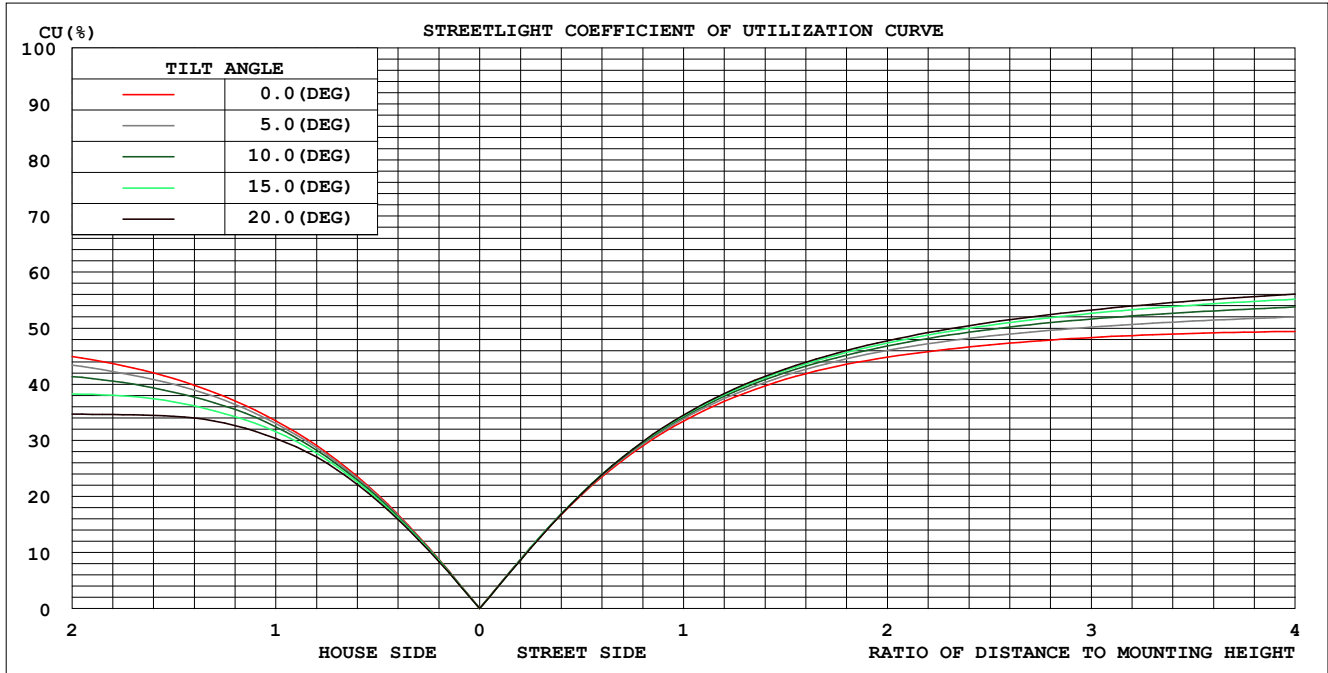
## Classification:

IES:Type IV - Very Short  
CIE:Broad - Short  
IES:Cut-off  
CIE:Semi-cut-off  
Max.At80:52.81cd/klm  
Max.At90:3.669cd/klm  
Max.80-90:52.81cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3384
90%	3046
80%	2707
70%	2369
60%	2031
50%	1692
40%	1354
30%	1015
20%	677
10%	338
5%	169

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

gamma Range: 0 - 90DEG  
gamma Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.2806A P:60.77W PF:0.9808 Lamp Flux:9205.1x1 lm		
NAME: OPCITYIII-60W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

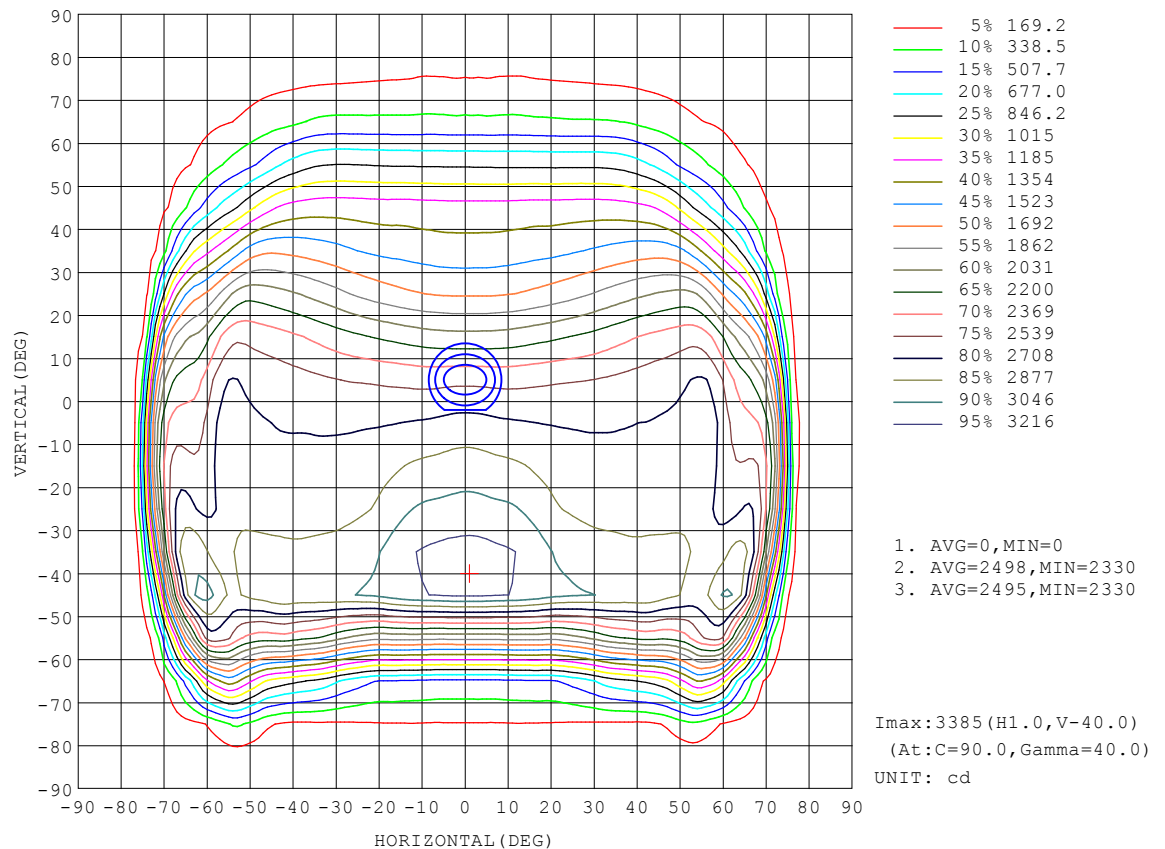
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	2653	2733	2772	2731	2648	2542	2498	2544	0- 5	63.36	63.36	0.69,0.69
10	2628	2785	2878	2781	2621	2425	2330	2425	5- 10	187.5	250.9	2.73,2.73
15	2626	2839	2957	2837	2620	2321	2086	2313	10- 15	307.1	558.0	6.06,6.06
20	2635	2872	3036	2870	2626	2166	1842	2152	15- 20	419.6	977.6	10.6,10.6
25	2643	2883	3107	2882	2632	2015	1670	1994	20- 25	524.4	1502	16.3,16.3
30	2646	2882	3179	2878	2635	1889	1497	1866	25- 30	622.3	2124	23.1,23.1
35	2657	2870	3282	2861	2649	1770	1425	1745	30- 35	714.3	2839	30.8,30.8
40	2677	2874	3384	2861	2667	1652	1352	1620	35- 40	803.0	3642	39.6,39.6
45	2703	2968	3251	2955	2687	1563	1254	1534	40- 45	882.6	4524	49.1,49.1
50	2734	3079	3118	3074	2716	1433	1155	1415	45- 50	944.7	5469	59.4,59.4
55	2797	3026	1914	3018	2770	1271	822.0	1254	50- 55	964.3	6433	69.9,69.9
60	2631	2854	709.2	2852	2538	1040	488.9	1026	55- 60	873.5	7307	79.4,79.4
65	2373	2001	467.7	2051	2369	645.7	369.6	641.9	60- 65	709.7	8016	87.1,87.1
70	2130	1169	226.1	1228	2183	338.6	250.2	338.1	65- 70	580.4	8597	93.4,93.4
75	582.9	311.4	159.5	336.3	510.1	181.6	173.9	186.7	70- 75	399.9	8997	97.7,97.7
80	117.0	139.4	92.90	151.4	87.43	108.9	97.56	111.6	75- 80	156.9	9153	99.4,99.4
85	59.60	32.03	0	33.48	35.62	29.53	0	29.74	80- 85	45.49	9199	99.9,99.9
90	33.78	0	0	0	29.89	0	0	0	85- 90	6.151	9205	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-22

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

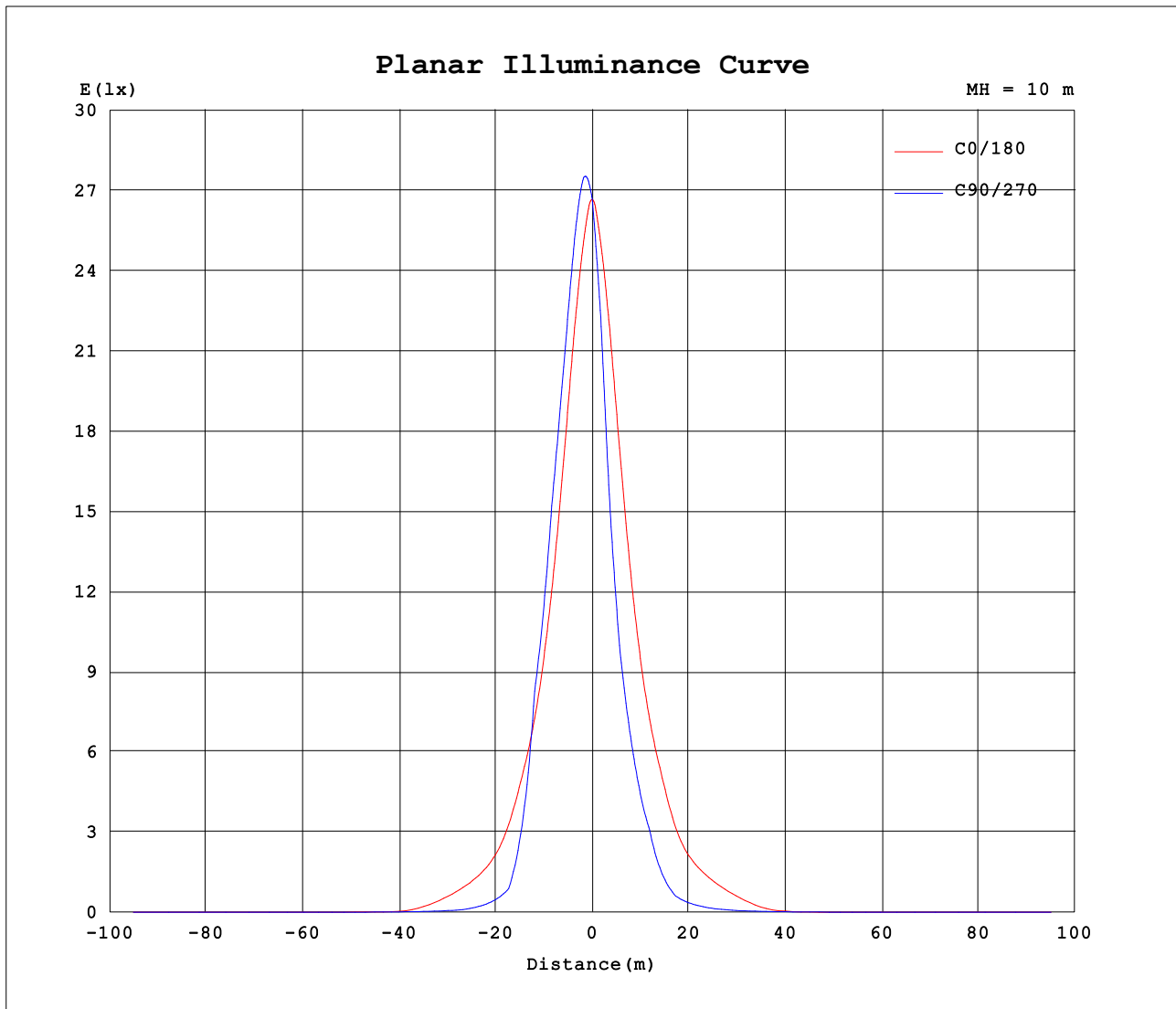
Test:U:220.8V I:0.2806A P:60.77W PF:0.9808 Lamp Flux:9205.1x1 lm		
NAME: OPCITYIII-60W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



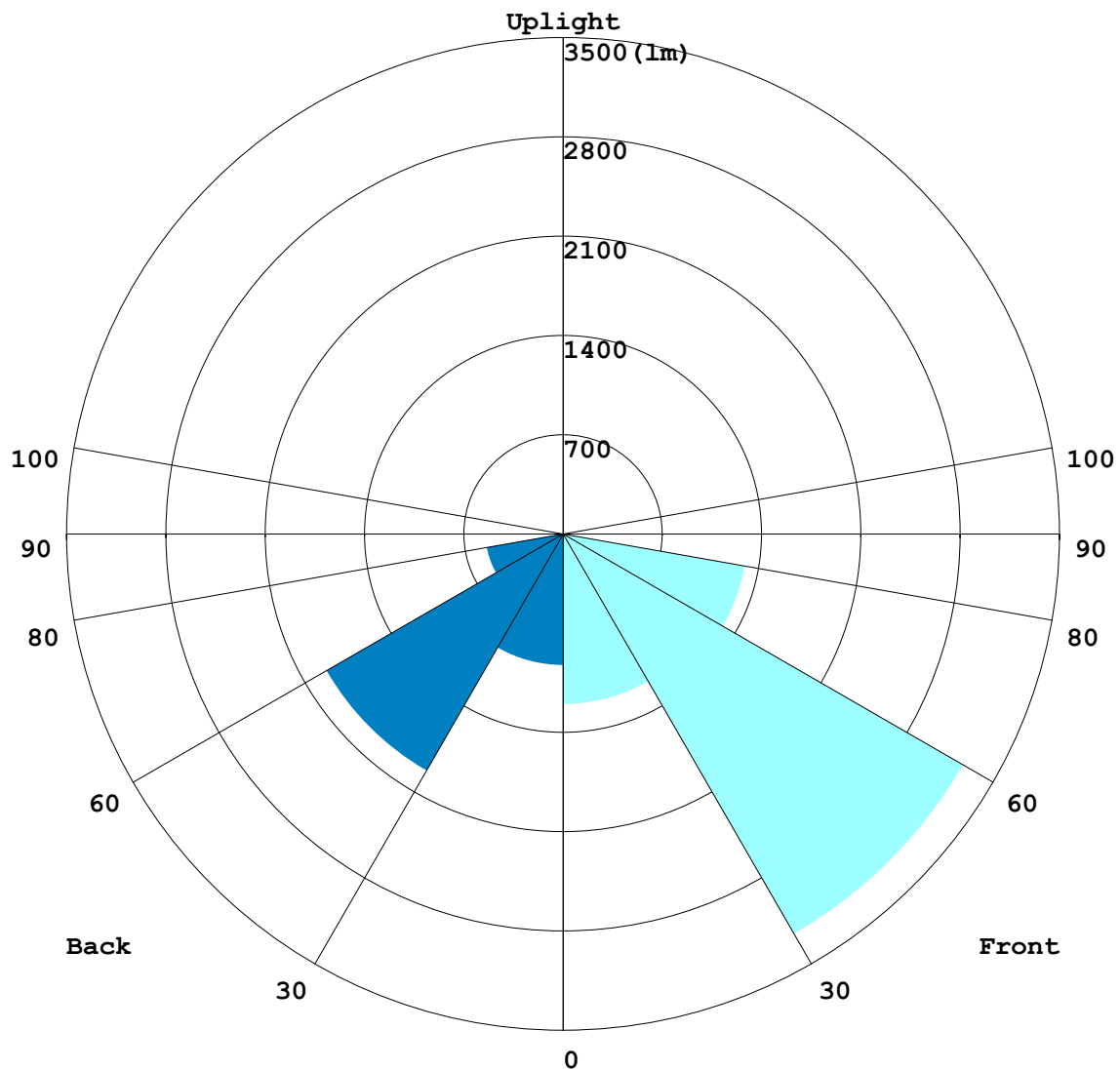
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.8V I:0.2806A P:60.77W PF:0.9808 Lamp Flux:9205.1x1 lm		
NAME: OPCITYIII-60W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:220.8V I:0.2806A P:60.77W PF:0.9808 Lamp Flux:9205.1x1 lm		
NAME: OPCITYIII-60W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1200.2	13.0
FM - Front-Medium(30-60)	3256.2	35.4
FH - Front-High(60-80)	1300.5	14.1
FVH - Front-Very High(80-90)	30.846	0.3
Total Forward Light	5787.7	62.9

BL - Back-Low(0-30)	924.22	10.0
BM - Back-Medium(30-60)	1926.1	20.9
BH - Back-High(60-80)	546.21	5.9
BVH - Back-Very High(80-90)	20.791	0.2
Total Back Light	3417.4	37.1

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G2
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3417.4	0	3417.4
Street Side	5787.7	0	5787.7

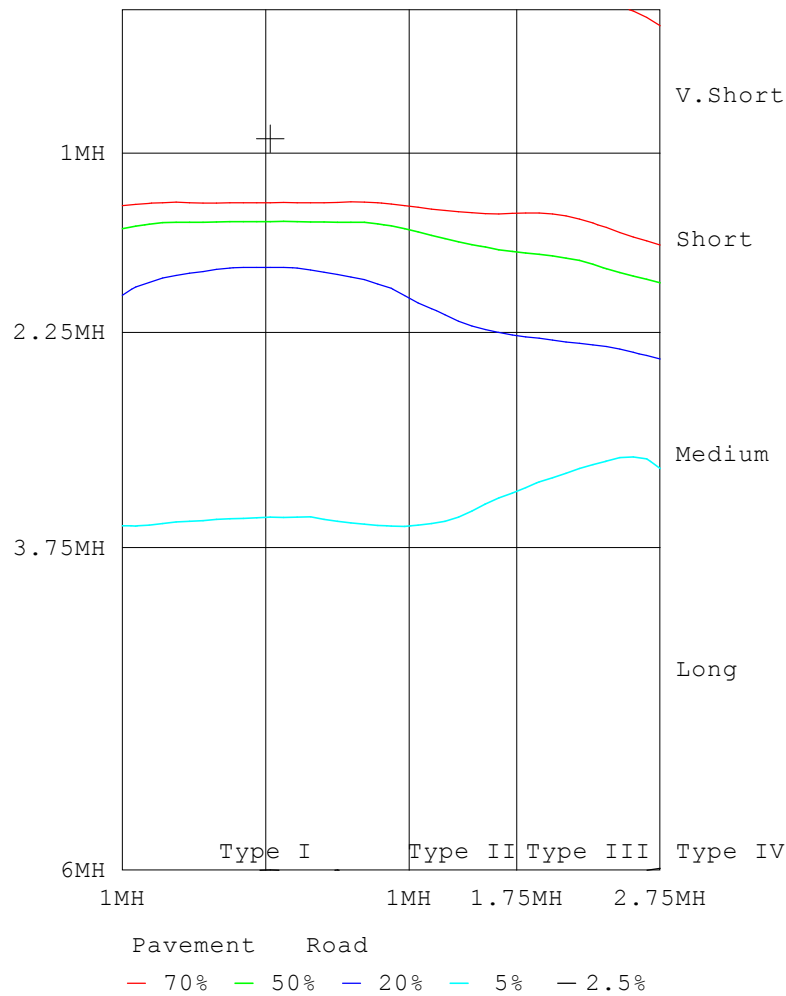
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.2806A P:60.77W PF:0.9808 Lamp Flux:9205.1x1 lm		
NAME: OPCITYIII-60W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-22

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```